

**To:** Matt Francis[m.francis@erllc.com]  
**Cc:** Way, Steven[way.steven@epa.gov]  
**From:** Myers, Craig  
**Sent:** Thur 9/3/2015 9:58:45 PM  
**Subject:** Re: Copper Environmental Proposal for Gold King Contingency Water Treatment Engineering Support

I am also unclear. If you want me to action this, we need to talk.

Sent from my iPhone

On Sep 3, 2015, at 3:29 PM, Matt Francis <m.francis@erllc.com> wrote:

Not sure what this is for. Is it for a system that would replace the IWTP? Is it for something we would do in the period waiting for IWTP to come on line? Something else?

**From:** Way, Steven [mailto:way.steven@epa.gov]  
**Sent:** Thursday, September 03, 2015 3:21 PM  
**To:** Matt Francis <m.francis@erllc.com>; Myers, Craig <Myers.Craig@epa.gov>  
**Cc:** Dhieux, Joyel <Dhieux.Joyel@epa.gov>  
**Subject:** FW: Copper Environmental Proposal for Gold King Contingency Water Treatment Engineering Support

The following email is follow up to the site visit from Copper Environmental. I am going to talk with one the local contractors (Maisel construction) we work with who has people working with him who operated the system in the past – 15 years ago. We could plan to have them work with Vince and Rob to do some initial evaluation of operability next week. A small subcontract would be needed.

I will start the ball rolling but need you and Matt to follow up.

Thanks,

Steve

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**From:** Dave McCarthy [<mailto:dave.mccarthy@copperenv.com>]  
**Sent:** Thursday, September 03, 2015 2:41 PM  
**To:** Way, Steven  
**Cc:** [jim.jonas@copperenv.com](mailto:jim.jonas@copperenv.com)  
**Subject:** Copper Environmental Proposal for Gold King Contingency Water Treatment Engineering Support

Steve:

As discussed, please find attached to this email a copy of our proposal to provide Contingency Water Treatment System Engineering and Setup/Startup Support at the Gold King Mine. I believe that it is consistent with the tasks developed during our meeting on Tuesday morning (9/1/2015) at the site and our follow-up discussion yesterday. Please let me know if you have any questions or comments regarding the proposal.

If you find it acceptable, we can begin the evaluation, testing, and engineering immediately. As discussed at the site, it is our assumption that you can find someone to function test the existing American Tunnel treatment system equipment. If you need help finding someone, we have identified a few possible candidates to conduct the testing, but it will require some additional labor and travel cost. The equipment that requires inspection and function testing as soon as possible are as follows (we can provide a more thorough checklist if desired):

1. Lime Silo
  - a. Inspect inside of silo to ensure that there is no significant buildup of material on silo walls/cone.
  - b. Function test the dust removal equipment at top of silo.
  - c. Function test the knife gate valve below the silo.
  - d. Function test the screw auger that feeds lime from silo to hopper.
  - e. Function test the pneumatic nozzles on the silo cone.
  - f. Function test the one compressor that appears to be complete.
  - g. Verify the silo loading pipeline (especially the upper curved portion) does not have pinholes.
  - h. Verify the high/low switches/sensors in the hopper and silo are operational.
2. Feeder equipment
  - a. Function test the volumetric screw feeder below the hopper.
3. Polymer dose equipment
  - a. Function test the polymer batch system mounted on the west wall.

To facilitate the construction of any type of Contingency Water Treatment System, the following basic tasks should be initiated soon:

1. Cleanout the American Tunnel treatment system building;
  - a. Remove spare parts, take inventory, and retain them at another location.
  - b. Remove lime slaker but retain volumetric screw feeder.
  - c. Remove polymer tank and either clean or dispose.
2. Bring three phase power to the existing American Tunnel treatment system building;

3. Replace the floor grating on the first floor of the American Tunnel treatment system building;
4. Repair damaged floor grating on the second floor of the American Tunnel treatment system building;
5. Find the fresh water source leading into the American Tunnel treatment system building and reactivate it;
6. Repair any damaged exterior panels or parts of the American Tunnel treatment system building, including electrical service entrance conduit and weatherhead and the lower panels at back of building.

Thanks again for the opportunity to work on this project,

Dave

Dave McCarthy

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